



PATENT APPLICATION

ELECTRIC OXYGEN IODINE LASER

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CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a continuation-in-part application of Patent Cooperation Treaty Application Serial No. PCT/US00/23642, entitled "Electric Oxygen Iodine Laser," with an international filing date of August 28, 2000, published in English under PCT Article 21(2) on March 22, 2001, and the specification thereof is incorporated herein by reference. That application claimed priority to U.S.

10 Provisional Patent Application Serial No. 60/151,260, entitled "Electric Oxygen Iodine Laser," filed on August 27, 1999, and the specification thereof is also incorporated herein by reference.

This application claims the benefit of the filing of U.S. Provisional Patent Application Serial No. 60/278,329, entitled "Electric Oxygen Iodine Laser," filed on March 22, 2001, and the specification
15 thereof is incorporated herein by reference.

BACKGROUND OF THE INVENTION

Field of the Invention (Technical Field):

The present invention relates to lasers and pulse circuits and excited atomic state and plasma
20 generators related thereto.

SUMMARY OF THE INVENTION (DISCLOSURE OF THE INVENTION)

The present invention comprises a pulse circuit for generating an output pulse, wherein the pulse circuit comprises a power supply; at least one Blumlein line wherein each line comprises a front
25 end and an output end; a switch for grounding each front end of the at least one Blumlein line simultaneously; and a snubber for truncating the output pulse from the at least one Blumlein line. As described herein, this pulser circuit is useful for a variety of applications. In an embodiment of this pulser circuit, the circuit further comprises at least two Blumlein lines comprising electrically connected and simultaneously groundable front ends and serially connected output ends. In another